

# ALTIS SH 2



Grease



High temperature high speed extreme pressure synthetic polyurea grease.

## APPLICATIONS

**Multi purpose high/low temperature high speed grease**  
**Filled for life applications**

### Recommendation

- **ALTIS SH 2** is a top of the range synthetic grease designed for factory fill and sealed-for-life applications.
- Also suitable for lubrication of bearings, slides, racks subjected to high temperatures in dry and mildly humid environments, bearings of electric motors, generators, bearings of dryers, pumps, oven conveyors, and all other applications where rotation speeds and temperatures are high and/or low.
- Always avoid contamination of the grease by dust and/or dirt when applying. Preferably use a pneumatic pump system or cartridges.

## SPECIFICATIONS

- ISO 6743-9: L-XDFEB 2
- DIN 51502: KP2R- 40

## ADVANTAGES

**Excellent mechanical shear stability, high and Low temperature properties, no harmful substances**

- Excellent durability and stability when subjected to a mechanical shearing force.
- Very good stability in application and in storage.
- Can be easily pumped and injected.
- Outstanding high and/or low temperature behavior.
- Very good adhesion to metals.
- Excellent antirust and anticorrosion properties.
- Excellent thermal stability linked with excellent reversibility.
- **ALTIS SH 2** does not contain lead, or other heavy metals considered harmful to human health and the environment.

| TYPICAL CHARACTERISTICS                     | METHODS                               | UNITS                    | ALTIS SH 2  |
|---|---------------------------------------|--------------------------|-------------|
| Soap/thickener                              |                                       | -                        | Polyurea    |
| NLGI grade                                  | ASTM D 217/DIN 51 818                 | -                        | 2           |
| Color                                       | Visual                                | -                        | Pale yellow |
| Appearance                                  | Visual                                | -                        | Smooth      |
| Operating temperature range                 |                                       | °C                       | - 40 to 180 |
| Penetration at 25°C                         | ASTM D 217/DIN51 818                  | 0.1 mm                   | 265-295     |
| Flow pressure 1400 mbar                     | DIN 51 805                            | °C                       | - 43        |
| Bearing behavior 10.000rpm/149°C            | ASTM D 3336                           | Hrs                      | > 2000      |
| 4 ball EP                                   | ASTM D 2596                           | Kgf                      | > 315       |
| Anti-rust performance SKF- EMCOR            | DIN 51 802/IP220/NFT 60-135/ISO 11007 | rating                   | 0-0         |
| Dropping point                              | IP 396/NF T 60 102C                   | °C                       | >260        |
| Kinematic viscosity of the base oil at 40°C | ASTM D 445/DIN 51 562-1/ISO 3104/IP71 | mm <sup>2</sup> /s (cSt) | 80          |
| FAG-FE9 6000/1.5/170 °C                     | DIN 51821                             | Hrs F10/F50              | > 400       |

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
Industrie & Spécialités

09-05-2007 (supersedes 16-09-2002)

ALTIS SH2

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This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. is obtainable via your commercial adviser [www.quick-fds.com](http://www.quick-fds.com).